

| Ref # | Hits | Search Query   | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---------------------------------|------------------|---------|------------------|
| S19   | 15   | ( estimat\$3 calculat\$3 ) same (upper-bound\$3 "upper bound") same clock and (domain frequency) and (plac\$5 routing)   | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/11 12:57 |
| S21   | 60   | ( estimat\$3 calculat\$3 ) and (upper-bound\$3 "upper bound") and clock and (domain frequency) and (plac\$5 routing)and "716"/\$.ccls.                         | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/11 13:00 |
| S22   | 4    | (upper-bound\$3 "upper bound") and clock and (operation\$3 adj2 frequency) and (plac\$5 routing)and "716"/\$.ccls.   | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/11 13:06 |
| S31   | 50   | ( estimat\$3 calculat\$3 ) and (upper-bound\$3 "upper bound") and clock and (domain frequency) and (plac\$5 routing)and minimiz\$3 and path and "716"/\$.ccls. | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/11 18:25 |
| S32   | 45   | (estimat\$3 calculat\$3 ) same (upper-bound\$3 "upper bound") same (clock)   | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/12 16:17 |
| S43   | 22   | (routing placement) same minim\$6 same path same slack and delay   | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/12 17:54 |
| S13   | 45   | ( estimat\$3 calculat\$3 ) same (upper-bound\$3 "upper bound") same (clock)  | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/12 18:11 |
| S62   | 154  | (upper-bound or (upper adj bound))same (period or frequency) and clock and ( routing placement)  | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/14 17:47 |
| S64   | 43   | (upper-bound or (upper adj bound))and (period or frequency) and clock and ( routing placement) and "716"/\$.ccls.  | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/14 17:53 |
| S74   | 49   | (upper-bound or (upper adj bound))and (frequency period) and ( routing placement) and ( clock adj domain)  | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/14 18:50 |
| S81   | 72   | ((initial\$4 preliminary trial rough) adj2 (rout\$3 wir\$3)or prewir\$3 or prerout\$3 or (pre adj rout\$3 ))with clock and @ad<"20030624"                      | US-PGPUB; USPAT; USOCR; DERWENT | OR               | ON      | 2005/07/14 19:50 |

|          |     |   |  |    |    |                  |
|----------|-----|---|--|----|----|------------------|
| S16<br>0 | 10  | ((upper-bound or (upper adj bound))adj (frequency period)) and clock and routing  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/15 16:51 |
| S16<br>9 | 157 | ((upper-bound or (upper adj bound)or maxim\$5 or limit\$3)adj2 (frequency period)) same routing   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/15 16:59 |
| S20<br>2 | 178 | path adj slack  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/18 15:29 |
| S20<br>6 | 351 | path adj2 slack   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/18 17:16 |
| S22<br>3 | 231 | delay adj2 constraint and "716"/\$. ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/18 17:38 |
| S22<br>6 | 42  | S224 and S225   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/19 09:37 |
| S37      | 56  | (routing placement) same minim\$6 same path same slack  | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/19 13:01 |
| S24<br>2 | 22  | (routing placement) and (path adj2 slack) and (( operat\$3 operational) adj2 frequency)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/19 14:34 |
| S24<br>8 | 20  | (routing placement) and (path adj2 slack) and (delay same base\$2 same routing)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/19 14:54 |
| S25<br>7 | 149 | (routing placement) and (tim\$3 adj2 constraint) and( minimiz\$3 optimiz\$3 maximiz\$3) and delay and "716"/\$.ccls. and slack and path | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/19 19:14 |
| S27<br>4 | 31  | (routing placement layout) and (path adj2 slack) and ((operat\$3 operational) adj2 frequency)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/20 18:38 |
| S29<br>2 | 18  | (routing placement) and (path adj2 slack) and mark\$3 and ( operat\$3 operational) same frequency                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>DERWENT | OR | ON | 2005/07/21 19:45 |